## ANALYTICA CHIMICA ACTA An international journal devoted to all branches of analytical chemistry

(Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database available on STN International; Abstracted, indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; BIOSIS; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci., Mass Spectrom. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index)

VOL. 326 NO.1-3

CONTENTS

JUNE 10, 1996

Flow Analysis	
Sequential injection determination of p-glucose by chemiluminescence using an open tubular immobilised enzyme reactor	
X. Liu and E.H. Hansen (Lyngby, Denmark)	1
A liquid drop: A windowless optical cell and a reactor without walls for flow injection analysis	
H. Liu and P.K. Dasgupta (Lubbock, TX, USA)	13
Photochemical derivatization and spectrophotometric determination of thioridazine by flow injection	
G.A. Rivas, A.M. Romero and J.M. Calatayud (Valencia, Spain)	23
Determination of total phosphorus in waters and wastewaters by on-line UV/thermal induced digestion and flow injection analysis	
R.L. Benson, I.D. McKelvie, B.T. Hart, Y.B. Truong (Caulfield East, Victoria, Australia) and I.C. Hamilton (Wallsend, NSW,	
Australia)	29
Spectrofluorimetric flow-injection method for the successive determination of chloroxine and chlorquinaldol in pharmaceutical preparations	
T. Pérez-Ruiz, C. Martínez-Lozano, V. Tomás and J. Carpena (Murcia, Spain)	41
A new flow injection single-standard calibration method for flame atomic absorption spectrometry based on dilution by microsample dispersion	
Z. Fang, S. Xu and X. Bai (Shenyang, China)	49
Chromatography and Ion Exchange	,
Intercomparison of alkyllead compound determination in mussels and water by two analytical techniques:	
gas chromatography atomic absorption spectrometry and differential pulse anodic stripping voltammetry	
N. Mikac (Zagreb, Croatia), Y. Wang and R.M. Harrison (Birmingham, UK)	57
Indirect fluorometric detection for non-suppressed ion chromatographic separation of analyte anions using ruthenium(II) complex as ion-interaction reagent	
Y.S. Fung and W.M. Tam (Hong Kong)	67
Comparative prediction of the retention behaviour of small peptides in several reversed-phase high-performance liquid chromatography columns by using partial least squares and multiple linear regression	
V. Casal, P.J. Martin-Alvarez and T. Herraiz (Madrid, Spain)	77
Determination of the speciation of chromium with an automated two-column ion-exchange system	
P.A. Sule and J.D. Ingle, Jr. (Corvallis, OR, USA).	85
Catalytic Methods	
Systematic comparison of data-processing options for kinetic-based, single-component determinations of noncatalysts:	
Effects of random noise	
M.D. Love and H.L. Pardue (West Lafayette, IN, USA)	95
Development of a carbon composite electrode made from polyethylene and graphite powder modified with copper(I) oxide	
TR I Cataldi and D Centonze (Potenza Italy)	107

(Continued overleaf)

Fluorimetry	
Direct determination of triamterene in urine by matrix isopotential synchronous fluorescence spectrometry J.A.M. Pulgarín, A.A. Molina and P.F. López (Ciudad Real, Spain)	117
Mass Spectrometry	
Negative ion liquid secondary ion mass spectrometry and tandem mass spectrometric analysis of the molecular species of aminophospholipids as 9-fluorenylmethyloxycarbonyl derivatives	
S. Chen (Coventry, UK) and K.W. Li (Amsterdam, The Netherlands)	127
Electroanalytical Chemistry and Sensors	
Stripping potentiometric transduction of DNA hybridization processes	
J. Wang, X. Cai, G. Rivas and H. Shiraishi (Las Cruces, NM, USA)	14
Flow-through tyrosinase enzyme reactor based on reticulated vitreous carbon functionalized by an electrochemically synthesized film	
G.E. De Benedetto, F. Palmisano and P.G. Zambonin (Bari, Italy)	149
Electrochemical characterization of thin-film carbon interdigitated electrode arrays	
G.C. Fiaccabrino, XM. Tang, N. Skinner, N.F. de Rooij and M. Koudelka-Hep (Neuchâtel, Switzerland)	158
Switching of ion selectivity of membranes by lipophilic ionic sites	
W. Wróblewski and Z. Brzózka (Warsaw, Poland)	163
Author Index	169

